



Main

Range	Compact
Product name	INS800
Poles description	3P
Network type	AC DC
Network frequency	50/60 Hz
[Ie] rated operational current	DC-23A : 800 A DC 125 V 2 poles in series DC-22A : 800 A DC 125 V 2 poles in series DC-21A : 800 A DC 125 V 2 poles in series AC-23A : 800 A AC 50/60 Hz 660/690 V AC-23A : 800 A AC 50/60 Hz 500/525 V AC-23A : 800 A AC 50/60 Hz 480 V NEMA AC-23A : 800 A AC 50/60 Hz 440/480 V AC-23A : 800 A AC 50/60 Hz 380/415 V AC-23A : 800 A AC 50/60 Hz 220/240 V AC-22A : 800 A AC 50/60 Hz 660/690 V AC-22A : 800 A AC 50/60 Hz 500/525 V AC-22A : 800 A AC 50/60 Hz 480 V NEMA AC-22A : 800 A AC 50/60 Hz 440/480 V AC-22A : 800 A AC 50/60 Hz 380/415 V AC-22A : 800 A AC 50/60 Hz 220/240 V AC-21A : 800 A AC 50/60 Hz 660/690 V AC-21A : 800 A AC 50/60 Hz 500/525 V AC-21A : 800 A AC 50/60 Hz 480 V NEMA AC-21A : 800 A AC 50/60 Hz 440/480 V AC-21A : 800 A AC 50/60 Hz 380/415 V AC-21A : 800 A AC 50/60 Hz 220/240 V
[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 kV
[Ith] conventional free air thermal current	800 A (60 °C)
[Icm] rated short-circuit making capacity	75 kA 690 V AC 50/60 Hz switch-disconnector alone 330 kA 690 V AC 50/60 Hz with upstream protection circuit breaker
[Ue] rated operational voltage	690 V AC 50/60 Hz 125 V DC
Suitability for isolation	Yes
Contact position indicator	Yes
Visible break	No
Pollution degree	3

Complementary

Control type	Direct front rotary handle
Handle colour	Black
Mounting mode	Fixed
Mounting support	Plate Rail
Upside connection	Front
Downside connection	Front
Maximum power	AC-23 : 710 kW 660/690 V AC 50/60 Hz AC-23 : 560 kW 500/525 V AC 50/60 Hz AC-23 : 500 kW 415 V AC 50/60 Hz AC-23 : 400 kW 380/400 V AC 50/60 Hz AC-23 : 250 kW 220/240 V AC 50/60 Hz

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %
[Icw] rated short-time withstand current	8 kA (30 s) conforming to IEC 60947-3 50 kA (0.5 s) conforming to IEC 60947-3 42 kA (0.8 s) conforming to IEC 60947-3 35 kA (1 s) conforming to IEC 60947-3 20 kA (3 s) conforming to IEC 60947-3 10 kA (20 s) conforming to IEC 60947-3
Mechanical durability	3000 cycles
Electrical durability	DC-23A : 500 cycles 125 V DC 2 poles in series DC-22A : 500 cycles 125 V DC 2 poles in series DC-21A : 500 cycles 125 V DC 2 poles in series AC-23A : 500 cycles 660/690 V AC 50/60 Hz AC-23A : 500 cycles 500/525 V AC 50/60 Hz AC-23A : 500 cycles 480 V AC 50/60 Hz conforming to NEMA AC-23A : 500 cycles 440/480 V AC 50/60 Hz AC-23A : 500 cycles 380/415 V AC 50/60 Hz AC-23A : 500 cycles 220/240 V AC 50/60 Hz AC-22A : 500 cycles 660/690 V AC 50/60 Hz AC-22A : 500 cycles 500/525 V AC 50/60 Hz AC-22A : 500 cycles 480 V AC 50/60 Hz conforming to NEMA AC-22A : 500 cycles 440/480 V AC 50/60 Hz AC-22A : 500 cycles 380/415 V AC 50/60 Hz AC-22A : 500 cycles 220/240 V AC 50/60 Hz AC-21A : 500 cycles 660/690 V AC 50/60 Hz AC-21A : 500 cycles 500/525 V AC 50/60 Hz AC-21A : 500 cycles 480 V AC 50/60 Hz conforming to NEMA AC-21A : 500 cycles 440/480 V AC 50/60 Hz AC-21A : 500 cycles 380/415 V AC 50/60 Hz AC-21A : 500 cycles 220/240 V AC 50/60 Hz
Connection pitch	70 mm
Height	300 mm
Width	340 mm
Depth	146.5 mm
Product weight	14 kg

Environment

Standards	IEC 60947-1 IEC 60947-3
Product certifications	KEMA-KEUR
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C